

ABSTRACT OF THE DISCLOSURE

An air assist fuel injector having a solenoid with a metallic core, an armature, and a solenoid coil for generating a magnetic field in the metallic core to actuate the armature. A poppet is attached to the armature. A single piece metallic body forms part of the metallic core of the solenoid. The body has an impact surface upon which the poppet repeatedly impacts during operation of the injector.